

大 连 星 镁 矿 业 有 限 公 司

STAR GRACE MINING CO., LTD.

Add: 29-67, No.929, Xinan Road, Shahekou District, Dalian, Liaoning, China

CERTIFICATE OF ANALYSIS

PRODUCT : L-LYSINE HCL FEED GRADE

THIS IS CERTIFY THAT WE, THE UNDERSIGNED HAVE INSPECTED THE QUALITY OF THE ABOVE MENTIONED GOODS AND FOUND THE RESULT OF INSPECTION AS FOLLOWS:

ITEM	SPECIFICATION	RESULT
APPEARANCE AND CHARACTER	WHITE OR LIGHT BROWN GRANULE OR POWDER, ODORLESS OR SLIGHTLY SPECIAL	WHITE OR LIGHT BROWN GRANULE OR POWDER, ODORLESS OR SLIGHTLY SPECIAL
L-LYSINE HCL	$\geq 98.5\%$	99.2%
LOSS ON DRYING	≤ 1.0	0.48
RESIDUE ON IGNITION	≤ 0.3	0.02
SPECIFIC ROTATION $[A]_D^{20^\circ}$	$+18.0^0 \sim +21.5^0$	20.7
AMMONIUM SALT	$\leq 0.04\%$	0.04%
HEAVY METALS (AS PB) MG/KG	$\leq 10\text{mg/kg}$	10mg/kg
ARSENIC (AS AS) MG/KG	$\leq 1\text{mg/kg}$	0.25mg/kg

QUALITY CONTROL DEPT. MANAGER: L. Mai



A handwritten signature in black ink, appearing to be "J. J. Mai".